

## ABSTRACT

5 This invention relates to a method, system and the computer readable  
program product wherein the least loaded boot server is prioritized for  
service by a single DHCP/PXE server by maintaining a boot server  
allocation table (SAT) containing the existing client load count for each  
boot server, maintaining a client allocation table (CAT) associating each  
client IP address with the corresponding boot server IP address,  
10 prioritizing the boot servers by sorting said SAT in order of increasing  
load count whenever it is updated and providing the IP address of the  
boot servers in the sequence of their listing in said SAT for access  
whenever a client requests the DHCP.